

# COYOTES

This class is intended for budget-minded racers with the allowance to make adjustments to improve handling without spending excessive amounts of funds to be competitive. This class will be primarily raced on the 3/8 paved oval, but may run on the road course. Safety measures have been increased.

**CONSTRUCTION:** Equipment will not be considered “legal” simply because it went through inspection unobserved, or because a rule has not been written excluding it.

## **I. ELIGIBILITY:**

- Any 4-cylinder piston car, front wheel drive or rear wheel drive with maximum 104” wheel base, with stock steel body and frame. Cars with plastic front fenders okay. NO AWD or 4-wheel steer. No plastic-bodied cars such as Saturn or Fiero. No turbo-charged or super-charged cars.

## **II. ROLL CAGES FOR 3/8 OVAL:**

- Cars that run on the 3/8 oval are required to have a full roll cage. Material shall be 1½” diameter by .095 wall tubing minimum. Must have minimum 4 point contact with 3 horizontal bars on driver’s side contoured to door opening, and 2 on passenger side. Must have 2 additional down bars centered between the horizontal door bars. 1/8” STEEL or ¼” aluminum shall be welded or bolted on driver’s side door bars between the spaces. Must have bar over steering column. Dashboard may remain in place. Aluminum racing seat is required and must be attached to cage. Gussets required on overhead joints and driver’s side door bars (see roll bar requirements for coyotes.) Nerf bars are allowed on caged cars. Maximum 2” protrusion from side of car and must be flush mounted to ends. Cages must be ½” bolted or welded to the most solid area closest to unit bodied frame rails. Must have minimum 4”x4” plates on legs that are attached to floor! See illustration. NO FRONT HOOPS ALLOWED. NO BRACING FROM THE SHOCK TOWERS FORWARD. You may use 1”x1” maximum square tubing for radiator support. Roll bar padding required on overhead and upright bars that are in driver’s seat area. ALL CAGES SUBJECT TO TECH. If you are unsure of your welding, get someone that is experienced.

## **III. WINDOW NETS:**

- Required for 3/8 track. Must be attached at bottom of window inside of body line and released at the top. STEERING WHEEL PADDING IS REQUIRED.

## **IV. INTERIOR:**

- All interior is to be removed. Dashboard may be removed. Steering wheel locking mechanism removal required on all 3/8 cars. Quick release steering wheels allowed. Headliners to be removed. Remove under hood insulation. Aluminum racing seat is to

be used, securely fastened to roll cage with 6 bolt mounting (2 on headrest and 4 on seat.)

#### **V. EXTERIOR:**

- All glass except windshield is to be removed. May use .125 Lexan (polycarbonate.) All plastic tail lamps and side markers are to be removed. 3/8 cars to have minimum of 2 bars (1"x1/4" minimum material) from top to bottom of windshield. Sunroof hole is to be covered with .062 minimum thickness sheet metal. Factory hood latches are to be removed and hood pins to be used in each corner opposite of hinges. Hoods must be securely fastened. Previous race damage must be repaired to remove sharp edges. Bumper covers okay. No reinforcing of body or frame. Bumper impact damage that has occurred from prior race must use stock type bumper and brackets. Rebuilding damages are okay, subject to Tech. Wheel wells may be trimmed to fit tires, no sharp edges. Third brake light may remain intact and in working condition. NAPA has single light for \$2.99 that is suitable. This is for safety. Rear side windows and/or rear window may be filled with clear Lexan (polycarbonate.)

#### **VI. GAS TANKS:**

- Fuel cells highly recommended, 8 gallon maximum, securely mounted in trunk area (see tank mounting diagram.) Mounting subject to Tech.
- If stock gas tank is in front of the rear axle, it may remain in place. No modifications.
- If stock gas tank is behind rear axle, it may be replaced with fuel cell or 8 gallon maximum steel boat tank, enclosed in metal box, securely mounted in trunk or package tray area. Minimum 16" from rear bumper. No fuel lines are to be inside the driver or passenger area, unless OEM fuel lines that have no rubber hoses okay. Fuel cells must be covered with sheet metal 180 degrees. (See diagram.)

#### **VII. FIRE EXTINGUISHERS:**

- Required 2.5 pound minimum, ABC rating with steel nozzle. Must be securely mounted within reach of driver. Mounting must be in metal bracket-no duct tape or zip ties.

#### **VIII. HELMETS:**

- Must be Snell 95 or newer, subject to Tech. Long sleeved SF1.5 driver's suit required. Fire retardant gloves required, and foam neck brace highly recommended.

#### **IX. SEAT BELTS:**

- 5-point harness required. No more than 5 years old. No frayed or torn belts will be accepted. They must mount securely to cage, subject to Tech. Crotch belt must be attached to seat or roll cage, not the floor.

## **X. NUMBERS:**

- Car numbers to conform to General Rules 'Number Specification' section.

## **XI. DRIVE TRAIN:**

- Engine, transmission, and rear end (trans-axle) must meet engine generation for that make and model. (Example: no swapping 1.5-liter for later 2.0-liter engine.) Computer aided cars must have stock or OEM replacement computers. No after market tuned cars. NO PERFORMANCE CHIPS or fuel deliver assist. (See carburetor cars' rules.) Rear wheel drive cars must have drive shaft painted white and a drive shaft loop placed approximately 10" from back of transmission front u-joint. No non-stock to make, model, and year, traction control. No active suspension. Must have radiator catch can, securely mounted near radiator.

## **XII. EXHAUST:**

- Car must use factory exhaust manifolds, as supplied with engine used. Factory Headers are okay. Muffler is required. Exhaust past the down pipe may use after market exhaust and/or muffler. Exhaust must exit from behind driver, either side or out the back. Must meet 92 decibels @ 75 feet. Catalytic converter optional.

## **XIII. FUEL:**

- Must run pump gas, octane booster okay. No other additives.

## **XIV. CARBURETED CARS:**

- CARBURETED cars will be allowed to run any after market camshaft. Must use stock intake with no modifications. May modify stock carburetor(s), except NO polishing or enlarging of venturi area. May use 350 cfm max carburetor. Headers allowed on carbureted cars. No swapping of fuel injection heads for carbureted use.

## **XV. BATTERY:**

- Battery must be relocated in passenger foot well. Must be in suitable box (NO plastic boxes) securely mounted on floor. Battery must have separate hold down from box. Battery must be forward or rear end. It is REQUIRED that all cars have a MASTER BATTERY DISCONNECT SWITCH located on left side. Switch must be clearly labeled ON/OFF and MUST disconnect engine and stop engine. Additional switch for driver convenience may be installed, but it must be wired in series with Master Disconnect.

## **XVI. SUSPENSION:**

- Suspension must use factory make and model of parts, unless otherwise listed. Springs may be cut or heated to reduce ride height. Minimum ride height is 4½" as measured from lowest frame/body rub rail behind the front tire (subject to tech.) Springs are open as long as minimum ride height is met. Shocks to be stock OEM type, gas shocks okay, NO adjustable. Camber plates allowed only on upper mounts. Stock suspension parts may be modified for additional camber or toe adjustments. Sway bars are open. Bushings are open.

## **XVII. BRAKES:**

- Must have four working breaks. Must stop within reasonable distance. No adjustable proportioning valves allowed.

## **XVIII. TIRES:**

- Any tire is allowed (open tire rule.) Any factory passenger or racing rims can be used as long as a stock bolt pattern is maintained. Maximum wheel width is 7". Maximum tire width (contact area) is 8". Use of larger wheel studs is allowed and encouraged. To be monitored by Board and reviewed by Mid-Season.

## **XIX. APPEARANCE:**

- Car must maintain a neat, presentable appearance, and brightly painted using numbers in contrasting colors. Previous impact damage will be given a 2-week grace period for repairs. Cars painted to resemble current, or past, Cup cars is encouraged. No premier cars allowed.

## **XX. WEIGHT EQUALIZATION:**

- Any car that wins three (3) main events will have at least 50lbs. Of weight added to the cars original weight. After winning an additional three (3) main events, there will be at least an additional 50lbs. Of weight added based on final decision by the Board. The positioning of the weight added to the car will be located to the right front floor plan. All-Thread will be installed by driver and ready for weight inspection by the Board with the weights being supplied by WWRA.

**IF IT DOESN'T SAY YOU CAN, YOU CAN'T!**

The rules promulgated in this set of rules are intended as guidelines for the sport of stock car and truck racing and the rules relative to the safety of equipment are the responsibility of each driver/owner who participates in the sport under these rules. No expressed or implied warranty of safety is intended nor may be inferred from the publication of these rules, nor compliance therewith. Nothing contained herein shall be construed as a guarantee against injury or death to participants, bystanders, crew or spectators.

